

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	EP 341958	A2	19891115	EP 1989-304633	19890508
	EP 341958	A3	19900801		
	R: DE, GB, IT				
	JP 01280750	A2	19891110	JP 1988-110848	19880507
	JP 2557252	B2	19961127		
	JP 01293342	A2	19891127	JP 1988-124453	19880520
	US 5057406	A	19911015	US 1989-347094	19890504
PRAI	JP 1988-110848		19880507		
	JP 1988-124453		19880520		
OS	MARPAT 112:207782				

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
149.58	504.10

FULL ESTIMATED COST

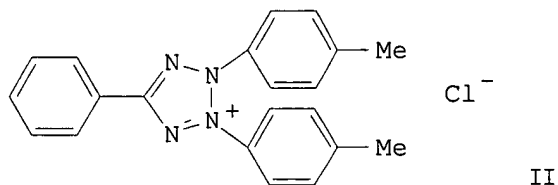
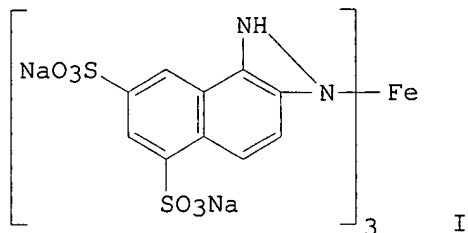
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-22.13	-22.13

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 12:01:56 ON 07 NOV 2003



AB The photog. material consists of a substrate, coated with an emulsion layer and successively backcoated with an antistatic layer, an interlayer, and an antihalation layer. The emulsion may contain hydrazines or tetrazoliums. A material contg. I, II, and an elec. conductive polymer antistatic layer prevented attachment at high temp. and sensitivity decrease and showed excellent antistatic properties.

IT **130293-56-0**

RL: USES (Uses)

(photog. material interlayer contg.)

L7 ANSWER 25 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

1991:460781 Document No. 115:60781 Silver halide photographic materials, and processing method. Yoshida, Kazuhiro; Wakuta, Kazuo (Konica Co., Japan). Jpn. Kokai Tokkyo Koho JP 03036542 A2 19910218 Heisei, 16 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1989-172576 19890703.

GI For diagram(s), see printed CA Issue.

AB In photog. materials having hydrophilic colloid layers including Ag halide emulsion layers, dyes I, II or III, and polymers having heterocyclic unit with sulfo group (R1-6 = alkyl; Y1-2 = groups completing pyrrolopyridine rings; the substituents are chosen to enable dye mols. to have .gtoreq.2 acid groups or .gtoreq.2 groups with .gtoreq.1 -CH2CH2OR groups; R = H, alkyl; L = methine; X- = anion; m = 4-5; n = 1-2), are contained. These materials are free from stains even after ultrarapid processing. Thus, a compn. contg. gelatin, dye IV, polymer with unit V, surfactant, copolymer latex, thickener, and hardener, was coated on the back of a PET film simultaneously with a protective compn. contg. gelatin, mat agent and surfactant. The other side was coated with a sensitized Ag(Cl,Br) emulsion layer and with a silica-contg. protective layer. Obtained material was processed by a very rapid process, and showed permissible deg. of dye stain.

IT **126691-62-1 130293-56-0 132404-33-2**

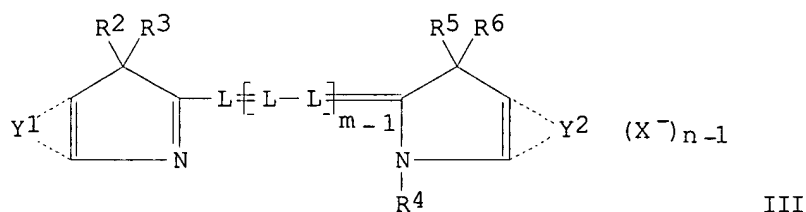
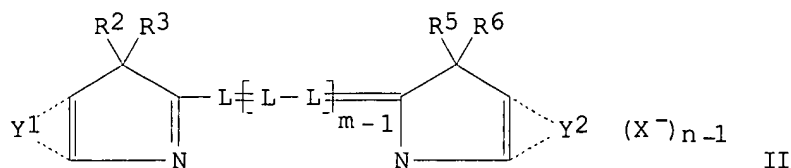
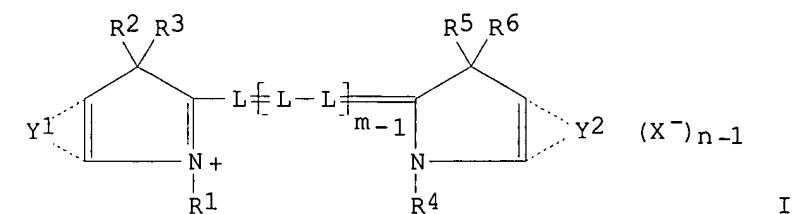
RL: USES (Uses)

(silver halide films contg., for low stain after ultrarapid processing)

L7 ANSWER 26 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

1991:111795 Document No. 114:111795 Processing of silver halide photographic material for printing plates. Yoshida, Kazuhiro; Nishio, Shoji; Ogasawara, Akira (Konica Co., Japan). Jpn. Kokai Tokkyo Koho JP 02110451 A2 19900423 Heisei, 17 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1988-265118 19881019.

GI



AB The title photog. processing is effected with a Ag halide photog. material contg. .gtoreq.1 of the dyes I-III [R1-6 = alkyl; Y1, Y2 = atoms required for forming a pyrrolopyridine ring, the Y1 ring contains NR1 and the Y2 ring NR4; in I-III R1-6, Y1, Y2 represent the groups allowing the dye mol. to have .gtoreq.2 acid groups or .gtoreq.2 substituents with .gtoreq.1 CH2CH2OR group; L = methine; X- = an anion; m = 4-5; n = 1, 2; n = 1 when an internal salt is formed; R = H, alkyl] by using a line speed (using an automated developer) of .gtoreq.1500 mm/min, developing, filtering, rinsing, and(or) stabilizing for .ltoreq.40 s. Residual color formation is suppressed.

IT **130293-56-0P 131033-79-9P**

RL: PREP (Preparation)

(prepn. of, for use in rapid-processing photog. films)

IT **126691-62-1**

RL: USES (Uses)

(rapid-processing photog. film contg.)

IT **132404-33-2**

RL: USES (Uses)

(rapid-processing photog. films contg.)

L7 ANSWER 27 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

1990:621218 Document No. 113:221218 Rapid processing of silver halides photographic materials. Yoshida, Kazuhiro; Moriya, Tomonobu; Nishio, Shoji (Konica Co., Japan). Jpn. Kokai Tokkyo Koho JP 02127638 A2 19900516 Heisei, 17 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1988-283150 19881108.

AB In a Ag halide photog. material utilizing .gtoreq.1 Ag halide photog. emulsion layer(s) and a backing layer on the opposite side of the support, .gtoreq.1 of the Ag halide emulsion layer contains .gtoreq.1 pyrido group-contg. tricarbo-cyanine dyes and .gtoreq.1 anionic surfactant, and the processing C development, fixing, rinsing, and/or stabilization is completed within 40s using an automatic development app. using a linespeed of .gtoreq.1500 mm/min.

IT **130293-56-0 130604-21-6**

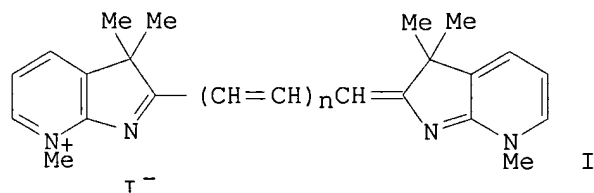
RL: USES (Uses)

(chlorofilm contg., for rapid-processing)

AB A Ag halide photog. material is described having a hydrophilic colloidal layer contg. .gtoreq.1 cyanine dye with a 3H-pyrrolopyridine, 4H-thienopyrrole, 6H-thienopyrrole, 4H-furopyrrole or 6H-furopyrrole nucleus which has in its dye mol. .gtoreq.2 acid groups or .gtoreq.2 substituents each having .gtoreq.1 -CH<sub>2</sub>CH<sub>2</sub>OR group [R = H, alkyl]. The photog. material has improved sensitivity to IR radiation and produces images with high aging stability.

RL: TEM (Technical or engineered material use); USES (Uses)  
(photog. material contg., IR-sensitive)

GI



IT 98570-21-9P

IT 98570-20-8P

IT 98570-11-7P

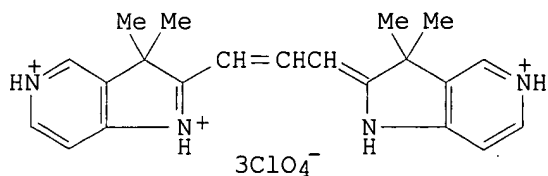
IT 98570-10-6P 98570-15-1P

IT 98664-09-6

RL: RCT (Reactant); RACT (Reactant or reagent)  
(protonation and isomerization of, spectra in relation to)

L7 ANSWER 30 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN  
 1985:543348 Document No. 103:143348 Halochromism of NH dyes, derivatives of  
 5- and 7-azaindolenines. Shevchuk, L. I.; Tolmacheva, V. S.; Babichev, F.  
 S.; Mikhailenko, F. A. (Kiev. Gos. Univ., Kiev, USSR). Ukrainskii  
 Khimicheskii Zhurnal (Russian Edition), 51(5), 525-8 (Russian) 1985.  
 CODEN: UKZHAU. ISSN: 0041-6045.

GI



AB Successive removal of H atoms from trication I [98570-36-6]  
 (.lambda.max 534 nm) by reducing the acidity of the medium gave a  
 dication, monocation, neutral species, and monoanion with .lambda.max 470,  
 422, 444, and 567 nm, resp. The 6,7-benzo deriv. of I showed similar  
 behavior. The 7-aza isomer, however, showed .lambda.max of 542, 478, 534,  
 442, and 561 nm for the 5 forms, resp., possibly indicating that the  
 monocation had both pyrrole N's protonated, rather than one pyridine N.

IT 98570-23-1P 98570-24-2P 98570-25-3P  
 98570-26-4P 98570-28-6P 98570-29-7P  
 98570-30-0P 98570-31-1P 98570-32-2P  
 98570-33-3P 98570-34-4P 98570-35-5P  
 98570-36-6P 98664-07-4P 98664-08-5P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and visible absorption of)

L7 ANSWER 31 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN  
 1984:164969 Document No. 100:164969 Effect of the fixing of structure on the  
 lasing efficiency of polymethine dyes. Posokh, S. V.; Gavrilov, O. D.;  
 Mikhailenko, F. A.; Ryl'kov, V. V.; Slominskii, Yu. L.; Stepanov, A. I.  
 (USSR). Zhurnal Prikladnoi Spektroskopii, 40(2), 218-22 (Russian) 1984.  
 CODEN: ZPSBAX. ISSN: 0514-7506.

AB A comparative investigation of polymethine dyes (PD) with fully and  
 partially secured structures of mols. was undertaken in order to elucidate  
 the possibility for decreasing the harmful losses occurring due to  
 photoisomerization. The securing of structure allows one to obtain the  
 lasing efficiency close to the limiting one as well as to conserve the  
 possibility for abnormally broad generation spectra.

IT 89470-01-9  
 RL: PRP (Properties)  
 (laser emission and optical properties of, structure in relation to)

L7 ANSWER 32 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN  
 1983:18100 Document No. 98:18100 2,3,3-Trimethyl-3H-pyrrolo[3,2-c]quinolines  
 and polymethine dyes made of them. Mikhailenko, F. A.; Shevchuk, L. I.;  
 Tolmacheva, V. S.; Babichev, F. S. (Kiev. Gos. Univ., Kiev, USSR).  
 Khimiya Geterotsiklicheskikh Soedinenii (7), 948-51 (Russian) 1982.  
 CODEN: KGSSAQ. ISSN: 0453-8234. OTHER SOURCES: CASREACT 98:18100.

GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Trimethylpyrroloquinolines (I; R = H, OMe), potentially useful in laser  
 technol., were prepd. by Fischer indolization of 3-methyl-2-butanone

(4-quinolinyl)hydrazone [83958-36-5] and 3-methyl-2-butanone (3-methoxy-4-quinolinyl)hydrazones [83958-37-6] and were quaternized with Me<sub>2</sub>SO<sub>4</sub>. The quinoline N underwent quaternization. Reactions of quaternized I (counterions ClO<sub>4</sub><sup>-</sup> or MeOSO<sub>3</sub><sup>-</sup>) with 2-(formylmethylene)-1,3,3-trimethylindoline [84-83-3] or AcOCH(OEt)<sub>2</sub> [14036-06-7] gave polymethine dyes II and III, resp., (R = H, OMe). Changes in the absorption spectra of II and III in solns. of different acidities were discussed.

IT **83958-51-4P 83958-52-5P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn., quaternization and visible spectra of)

L7 ANSWER 33 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

1982:501409 Document No. 97:101409 Photoinduced proton transfer in polymethine dye solutions. Przhonskaya, O. V.; Tikhonov, E. A.; Mikhailenko, F. A.; Shevchuk, L. I. (USSR). Zhurnal Prikladnoi Spektroskopii, 37(1), 54-60 (Russian) 1982. CODEN: ZPSBAX. ISSN: 0514-7506.

AB An exptl. study has made of the processes of reversible proton transfer in acid ethanol solns. of polymethine dyes (PD). Protonation is realized through the H-bond chain between the dye and acid mols., and the proton jump probabilities are practically independent of temp. over the interval 77-300 K, i.e. they occur in a solid and liq. phase. Depending on the pH of the soln., the formation of single- and double-protonated PD forms with the characteristic absorption and fluorescence spectra is possible. Excitation of the single-protonated form is accompanied with a simultaneous loss and attachment of a proton. As a result, the fluorescence spectrum corresponds to emission of 3 dye forms, viz. monocation, dication and trication. The formation and degrdn. rates of these forms were detd. The protonated PD form was used to obtain lasing and tuning over the range of 700-810 nm during pumping with Nd<sup>3+</sup>:YAG 2nd harmonic radiation.

IT **82829-34-3 82829-35-4 82840-61-7**

RL: PRP (Properties)  
(photoinduced proton transfer in, laser emission in relation to)

L7 ANSWER 34 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

1969:462295 Document No. 71:62295 Dimethinecyanine sensitizing dyes and photographic emulsions containing them. Litzerman, Roberta A.; Mee, John D.; Heseltine, Donald W. (Eastman Kodak Co.). Fr. FR 1520819 19680412, 11 pp. (French). CODEN: FRXXAK. PRIORITY: US 19660311 - 19670117 19670117.

GI For diagram(s), see printed CA Issue.

AB InCREASES in the relative blue sensitivity are obtained by the addn. of I, II, and III compds. to emulsions. Thus, a photographic element is prepd. from a compn. contg. a gelatin-Ag(Br,I) emulsion (I:Br- molar ratio 25:975), KBr, KI, AgNO<sub>3</sub>, (H<sub>2</sub>N)C<sub>2</sub>SO<sub>2</sub> (fogging agent), and KAuC<sub>12</sub>. I(R = Me, R<sub>1</sub> = R<sub>2</sub> = H, A = Ph) (IV) is added to the compn. at 0.87 millimole IV/mole AgX, the emulsion is applied on a support (1.08 g. Ag/m<sup>2</sup>, 4.32 g. gelatin/m<sup>2</sup>), and the element is exposed and developed to give relative blue sensitivity 210 as compared to 126 for V(control). Similar results are obtained with III(R = Me, R<sub>1</sub> = H) (VI), II(A = Ph, X = CMe<sub>2</sub>, R = R<sub>2</sub> = Me, R<sub>1</sub> = R<sub>3</sub> = R<sub>4</sub> = H, Y = iodine) (VII), II(A = Ph, X = S, R = Me, R<sub>1</sub> = R<sub>3</sub> = R<sub>4</sub> = H, R<sub>2</sub> = Et, Y = iodine) (VIII), and II(A = Ph, X = S, R = R<sub>2</sub> = Me, R<sub>1</sub> = R<sub>4</sub> = H, R<sub>3</sub> = Cl, Y = p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>) (IX). A mixt. of 1.12 g. 1-methyl-2-(3-pyridyl)indole - 3-carboxaldehyde, 1.98 g. 3-ethyl-2-methyl-6-nitrobenzothiazolium p-toluenesulfonate, 0.95 g. p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H, and 10 ml. Ac<sub>2</sub>O is refluxed for 5 min. to give 63% II.p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H (A = 3-pyridyl, X = R, R = Me, R<sub>1</sub> = R<sub>3</sub> = R<sub>4</sub> = H, R<sub>2</sub> = Et, Y = p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>). Also prepd. are the following compds.: I.HI(A = 3-pyridyl, R = Me, R<sub>1</sub> = R<sub>2</sub> = H), m. 223.degree. (decompn.); II[R = R<sub>2</sub> = Me, (R<sub>1</sub>R<sub>4</sub> = ) benzo, A = Ph, X = S, R<sub>3</sub> = H, Y = p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>], m. 287-9.degree. (decompn.); I[A = Ph, R = Me, (R<sub>1</sub>R<sub>2</sub> = ) benzo], m. 293-4.degree. (decompn.); II[A = Ph, X = S, (RR<sub>1</sub> = ) (CH<sub>2</sub>)<sub>3</sub>, R<sub>2</sub> = Et, R<sub>3</sub> = R<sub>4</sub> = H, Y = p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>], m. 254-5.degree. (decompn.); I[A = Ph, (RR<sub>1</sub> = )

(CH<sub>2</sub>)<sub>3</sub>, R<sub>2</sub> = H], m. 230-1.degree. (decompn.); III[(RR<sub>1</sub> = ) (CH<sub>2</sub>)<sub>3</sub>], m. 283-4.degree. (decompn.); IV, m. 248-9.degree. (decompn.); VIII; VII, m. 252-6.degree. (decompn.); IX; VI, m. 252-6.degree. (decompn.); 1-methyl-2-(3-pyridyl)indole, m. 79-81.degree.; 1-methyl-2-(3-pyridyl)indole-3-carboxaldehyde, m. 146.degree.; 1-methyl-2-phenylbenz[g]indole, m. 138.5-9.5.degree.; and 1-methyl-2-phenylbenz[g]indole - 3-carboxaldehyde, m. 170-1.degree..  
 1,3,3-Trimethyl-2-methylene - 2,3-dihydropyrrolo[2,3-b]pyridine (1.74 g.) is treated with 2.45 g. (EtO)<sub>2</sub>CHOAc and HClO<sub>4</sub> to give 44% 1,1',3,3,3',3'-hexamethylpyrrolo[2,3-b]pyridocarbocyanine perchlorate, m. 256-7.degree. (decompn.); 1,1',3,3,3',3' - hexamethyl - 5,5' - dinitroindocarbocyanine p - toluenesulfonate [m. 297-8.degree. (decompn.)] is prepd. from 1,2,3,3-tetramethyl-5-nitro - 3H-indolium p-toluenesulfonate and (MeO)<sub>2</sub>CHCH<sub>2</sub>OAc.

IT **23768-30-1P**

RL: IMF (Industrial manufacture); PREP (Preparation)  
 (prepn. of)

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'HITST' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB  
 ALL ----- BIB, AB, IND, RE  
 APPS ----- AI, PRAI  
 BIB ----- AN, plus Bibliographic Data and PI table (default)  
 CAN ----- List of CA abstract numbers without answer numbers  
 CBIB ----- AN, plus Compressed Bibliographic Data  
 DALL ----- ALL, delimited (end of each field identified)  
 DMAX ----- MAX, delimited for post-processing  
 FAM ----- AN, PI and PRAI in table, plus Patent Family data  
 FBIB ----- AN, BIB, plus Patent FAM  
 IND ----- Indexing data  
 IPC ----- International Patent Classifications  
 MAX ----- ALL, plus Patent FAM, RE  
 PATS ----- PI, SO  
 SAM ----- CC, SX, TI, ST, IT  
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;  
                   SCAN must be entered on the same line as the DISPLAY,  
                   e.g., D SCAN or DISPLAY SCAN)  
 STD ----- BIB, IPC, and NCL  
  
 IABS ----- ABS, indented with text labels  
 IALL ----- ALL, indented with text labels  
 IBIB ----- BIB, indented with text labels  
 IMAX ----- MAX, indented with text labels  
 ISTD ----- STD, indented with text labels  
  
 OBIB ----- AN, plus Bibliographic Data (original)  
 OIBIB ----- OBIB, indented with text labels  
  
 SBIB ----- BIB, no citations  
 SIBIB ----- IBIB, no citations  
  
 HIT ----- Fields containing hit terms  
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
                   containing hit terms  
 HITRN ----- HIT RN and its text modification  
 HITSTR ----- HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 HITSEQ ----- HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields

FHITSTR ----- First HIT RN, its text modification, its CA index name, and its structure diagram  
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its structure diagram, plus NTE and SEQ fields  
 KWIC ----- Hit term plus 20 words on either side  
 OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.  
 ENTER DISPLAY FORMAT (BIB):hitstr

L7 ANSWER 1 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

IT **565170-13-0**

RL: CPS (Chemical process); MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)

(sensitizers; storage-stable presensitized lithog. plates contg. sp. sensitizing dyes and showing high reprodn. accuracy)

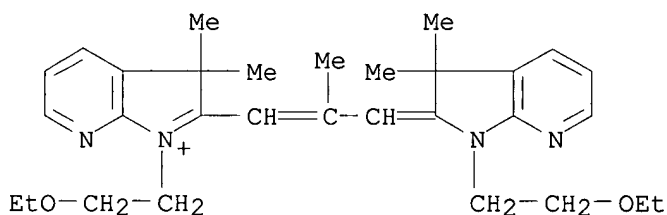
RN 565170-13-0 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 1-(2-ethoxyethyl)-2-[3-[1-(2-ethoxyethyl)-1,3-dihydro-3,3-dimethyl-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-2-methyl-1-propenyl]-3,3-dimethyl-, tetrafluorophosphate(1-) (9CI) (CA INDEX NAME)

CM 1

CRN 565170-12-9

CMF C30 H41 N4 O2

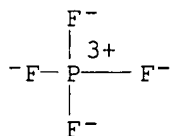


CM 2

CRN 25443-47-4

CMF F4 P

CCI CCS





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L7 ANSWER 28 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

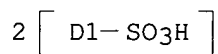
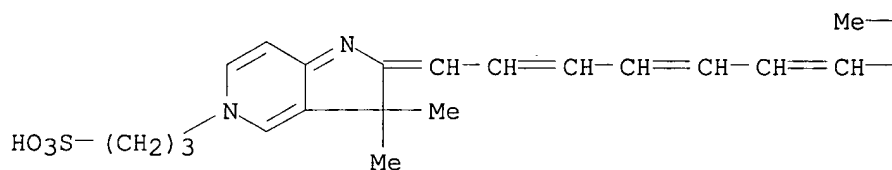
IT 126691-62-1 126691-63-2 126726-71-4  
126734-19-8 126758-46-1 126829-19-4  
126829-26-3 126829-28-5

RL: TEM (Technical or engineered material use); USES (Uses)  
(photog. material contg., IR-sensitive)

RN 126691-62-1 CAPLUS

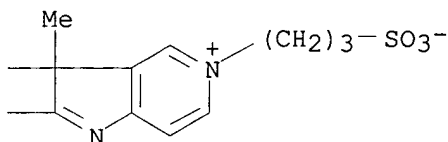
CN 3H-Pyrrolo[3,2-c]pyridinium, 2-[7-[3,5-dihydro-3,3-dimethylsulfo-5-(3-sulfopropyl)-2H-pyrrolo[3,2-c]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-5-(3-sulfopropyl)-, inner salt, trisodium salt (9CI) (CA INDEX NAME)

PAGE 1-A



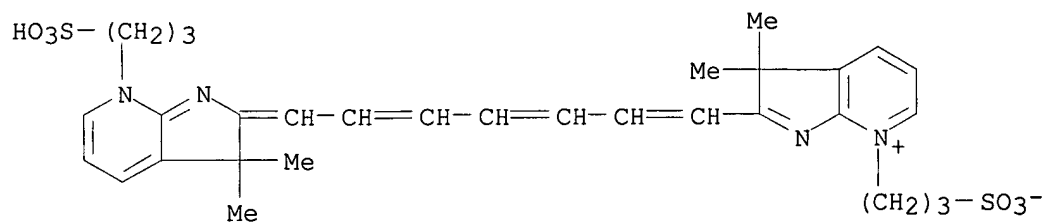
● 3 Na

PAGE 1-B



RN 126691-63-2 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[3,7-dihydro-3,3-dimethyl-7-(phosphonomethyl)sulfo-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-7-(phosphonomethyl)sulfo-, inner salt, monosodium salt (9CI) (CA INDEX NAME)

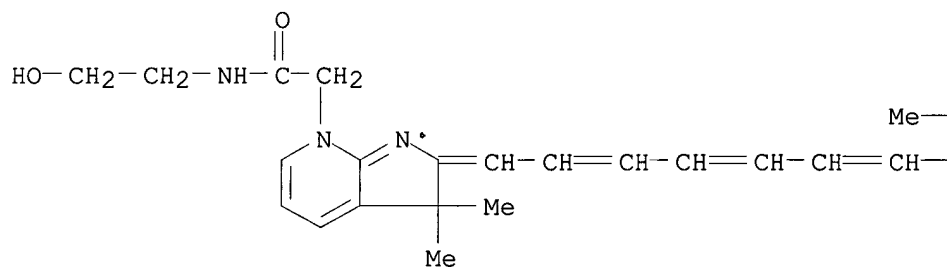


2 [ D1- SO<sub>3</sub>H ]

● 3 Na

RN 126758-46-1 CAPLUS  
 CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[3,7-dihydro-7-[2-[(2-hydroxyethyl)amino]-2-oxoethyl]-3,3-dimethyl-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-7-[2-[(2-hydroxyethyl)amino]-2-oxoethyl]-3,3-dimethylsulfo-, inner salt, monosodium salt (9CI) (CA INDEX NAME)

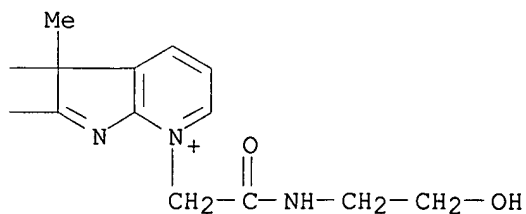
PAGE 1-A

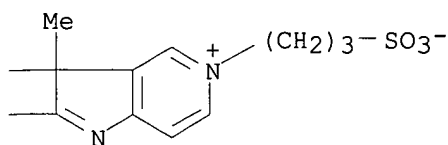


D1- SO<sub>3</sub><sup>-</sup>

● Na

PAGE 1-B





=> d 26 hit str  
 'STR' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB  
 ALL ----- BIB, AB, IND, RE  
 APPS ----- AI, PRAI  
 BIB ----- AN, plus Bibliographic Data and PI table (default)  
 CAN ----- List of CA abstract numbers without answer numbers  
 CBIB ----- AN, plus Compressed Bibliographic Data  
 DALL ----- ALL, delimited (end of each field identified)  
 DMAX ----- MAX, delimited for post-processing  
 FAM ----- AN, PI and PRAI in table, plus Patent Family data  
 FBIB ----- AN, BIB, plus Patent FAM  
 IND ----- Indexing data  
 IPC ----- International Patent Classifications  
 MAX ----- ALL, plus Patent FAM, RE  
 PATS ----- PI, SO  
 SAM ----- CC, SX, TI, ST, IT  
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;  
                   SCAN must be entered on the same line as the DISPLAY,  
                   e.g., D SCAN or DISPLAY SCAN)  
 STD ----- BIB, IPC, and NCL

IABS ----- ABS, indented with text labels  
 IALL ----- ALL, indented with text labels  
 IBIB ----- BIB, indented with text labels  
 IMAX ----- MAX, indented with text labels  
 ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)  
 OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
 SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms  
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
                   containing hit terms  
 HITRN ----- HIT RN and its text modification  
 HITSTR ----- HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 HITSEQ ----- HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 KWIC ----- Hit term plus 20 words on either side  
 OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.  
ENTER DISPLAY FORMAT (BIB):hitstr

L7 ANSWER 26 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

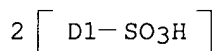
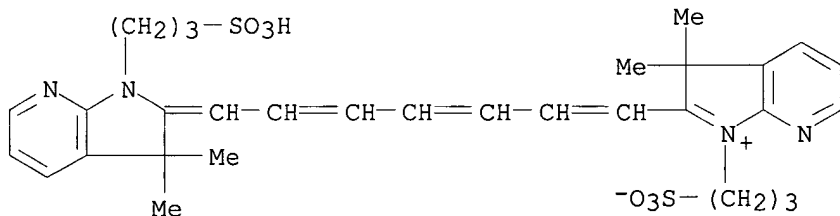
IT 130293-56-0P 131033-79-9P

RL: PREP (Preparation)

(prepn. of, for use in rapid-processing photog. films)

RN 130293-56-0 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[1,3-dihydro-3,3-dimethylsulfo-1-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-1-(3-sulfopropyl)-, inner salt, tripotassium salt (9CI) (CA INDEX NAME)



● 3 K

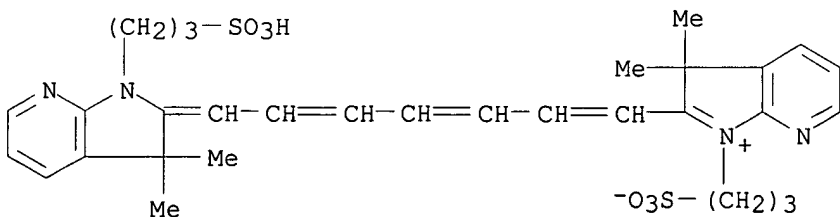
RN 131033-79-9 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[1,3-dihydro-3,3-dimethyl-1-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-1-(3-sulfopropyl)-, inner salt, compd. with pyridine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 131033-78-8

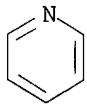
CMF C31 H38 N4 O6 S2



CM 2

CRN 110-86-1

CMF C5 H5 N



IT 126691-62-1

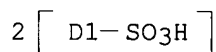
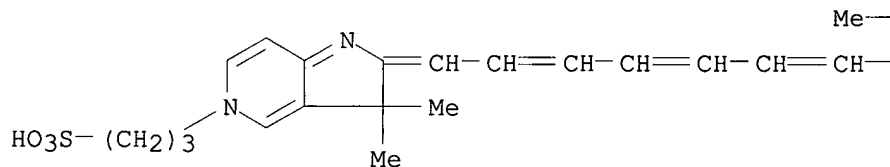
RL: USES (Uses)

(rapid-processing photog. film contg.)

RN 126691-62-1 CAPLUS

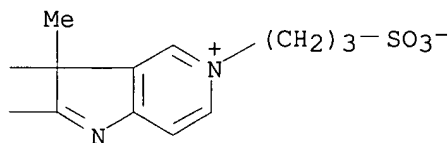
CN 3H-Pyrrolo[3,2-c]pyridinium, 2-[7-[3,5-dihydro-3,3-dimethylsulfo-5-(3-sulfopropyl)-2H-pyrrolo[3,2-c]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-5-(3-sulfopropyl)-, inner salt, trisodium salt (9CI) (CA INDEX NAME)

PAGE 1-A



● 3 Na

PAGE 1-B



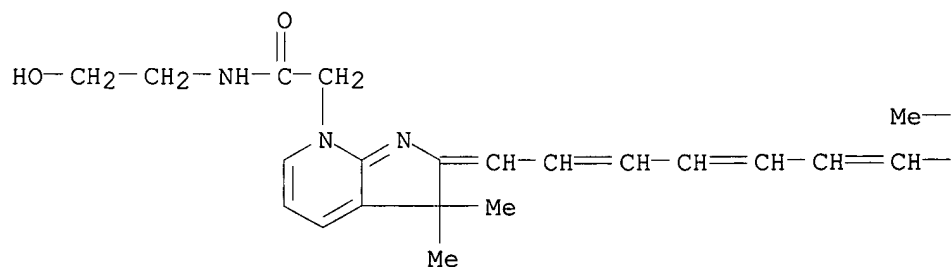
IT 132404-33-2

RL: USES (Uses)

(rapid-processing photog. films contg.)

RN 132404-33-2 CAPLUS

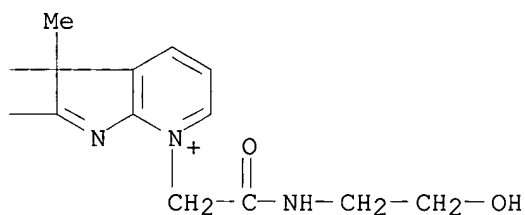
CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[3,7-dihydro-7-[2-[(2-hydroxyethyl)amino]-2-oxoethyl]-3,3-dimethylsulfo-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-7-[2-[(2-hydroxyethyl)amino]-2-oxoethyl]-3,3-dimethylsulfo-, inner salt, monosodium salt (9CI) (CA INDEX NAME)



D1- SO<sub>3</sub><sup>-</sup>

D1- SO<sub>3</sub>H

● Na



=> d 12-25 27 hitstr

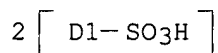
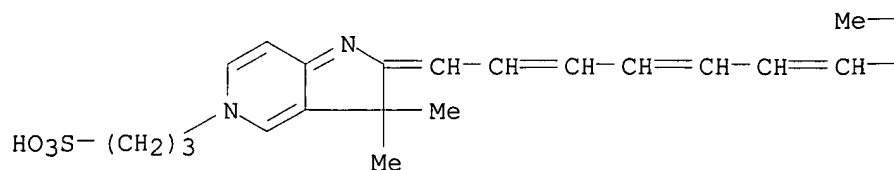
L7 ANSWER 12 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

IT **126691-62-1 126734-19-8 126829-28-5**  
**139536-69-9**

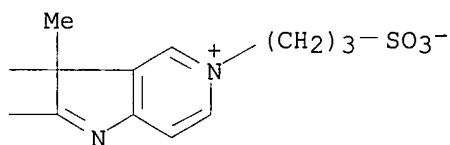
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)  
(treatment of wastewaters contg. silver halide photog. materials)

RN 126691-62-1 CAPLUS

CN 3H-Pyrrolo[3,2-c]pyridinium, 2-[7-[3,5-dihydro-3,3-dimethylsulfo-5-(3-sulfopropyl)-2H-pyrrolo[3,2-c]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-5-(3-sulfopropyl)-, inner salt, trisodium salt (9CI) (CA INDEX NAME)

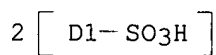
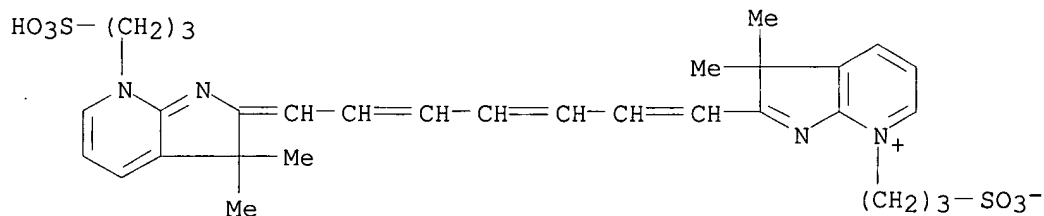


● 3 Na



RN 126734-19-8 CAPLUS

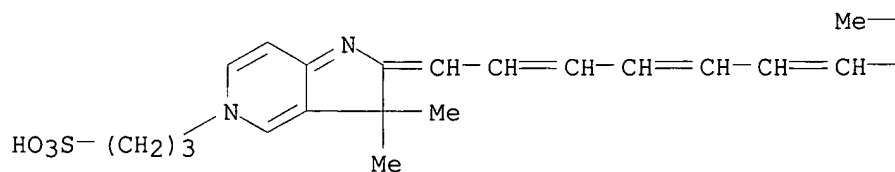
CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[3,7-dihydro-3,3-dimethylsulfo-7-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-7-(3-sulfopropyl)-, inner salt, trisodium salt (9CI) (CA INDEX NAME)



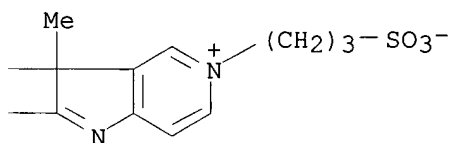
● 3 Na

RN 126829-28-5 CAPLUS

CN 3H-Pyrrolo[3,2-c]pyridinium, 2-[7-[3,5-dihydro-3,3-dimethyl-5-(3-sulfopropyl)-2H-pyrrolo[3,2-c]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-5-(3-sulfopropyl)-, inner salt, sodium salt (9CI) (CA INDEX NAME)

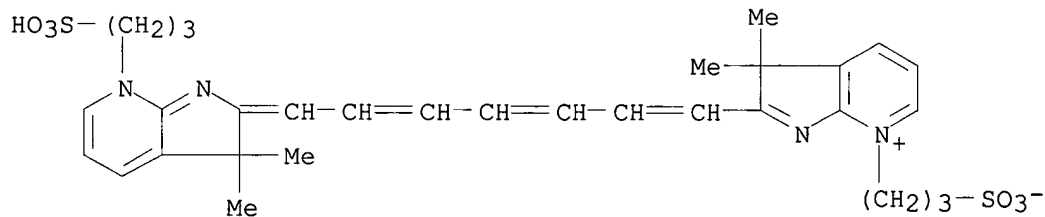


● Na



RN 139536-69-9 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[3,7-dihydro-3,3-dimethyl-7-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-7-(3-sulfopropyl)-, inner salt, sodium salt (9CI) (CA INDEX NAME)



● Na

L7 ANSWER 13 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

IT 139536-69-9

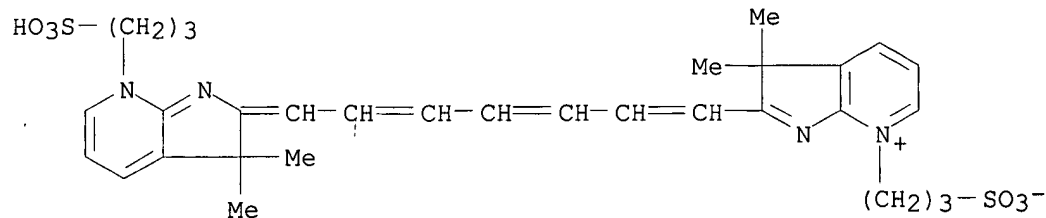
RL: USES (Uses)

(IR-spectral sensitizer, silver halide photog. material sensitized by)

RN 139536-69-9 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[3,7-dihydro-3,3-dimethyl-7-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-7-(3-sulfopropyl)-, inner salt, sodium salt (9CI) (CA INDEX NAME)





● Na

L7 ANSWER 14 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

IT 141138-36-5 151405-62-8 151405-63-9

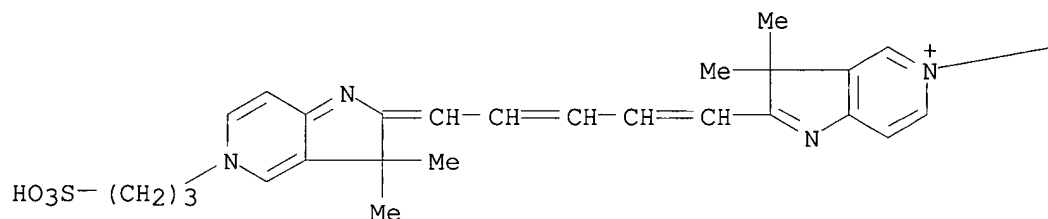
151405-65-1 151704-25-5

RL: TEM (Technical or engineered material use); USES (Uses)  
(photog. material contg., for smooth transport)

RN 141138-36-5 CAPLUS

CN 3H-Pyrrolo[3,2-c]pyridinium, 2-[5-[3,5-dihydro-3,3-dimethylsulfo-5-(3-sulfopropyl)-2H-pyrrolo[3,2-c]pyridin-2-ylidene]-1,3-pentadienyl]-3,3-dimethylsulfo-5-(3-sulfopropyl)-, inner salt, trisodium salt (9CI) (CA INDEX NAME)

PAGE 1-A



D1- SO<sub>3</sub><sup>-</sup>

D1- SO<sub>3</sub>H

● 3 Na

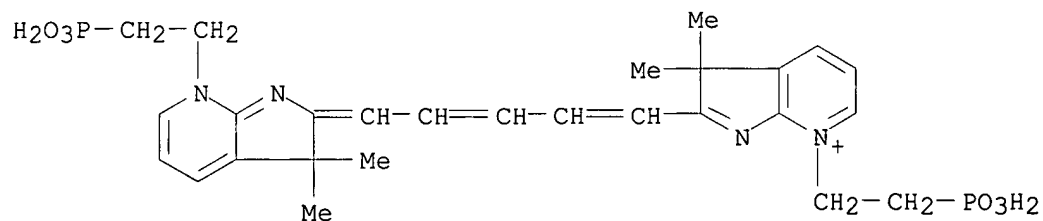
PAGE 1-B

— (CH<sub>2</sub>)<sub>3</sub>-SO<sub>3</sub>H

RN 151405-62-8 CAPLUS

CN 3H-Pyrrolo[3,2-c]pyridinium, 2-[5-[3,5-dihydro-3,3-dimethyl-5-(3-sulfopropyl)-2H-pyrrolo[3,2-c]pyridin-2-ylidene]-1,3-pentadienyl]-3,3-dimethyl-5-(3-sulfopropyl)-, inner salt, sodium salt (9CI) (CA INDEX NAME)

(CA INDEX NAME)



D1- SO<sub>3</sub><sup>-</sup>

D1- SO<sub>3</sub>H

● Na

L7 ANSWER 15 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

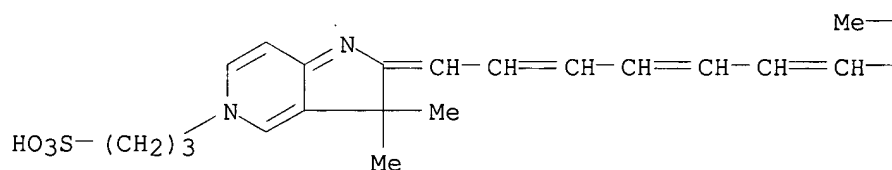
IT **126829-28-5**

RL: TEM (Technical or engineered material use); USES (Uses)  
(photog. materials contg.)

RN 126829-28-5 CAPLUS

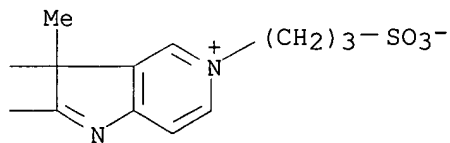
CN 3H-Pyrrolo[3,2-c]pyridinium, 2-[7-[3,5-dihydro-3,3-dimethyl-5-(3-sulfopropyl)-2H-pyrrolo[3,2-c]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-5-(3-sulfopropyl)-, inner salt, sodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

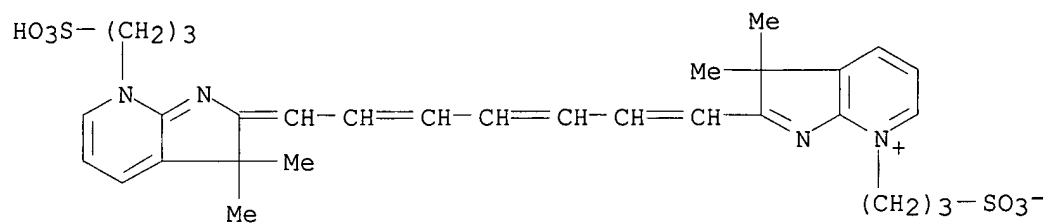


● Na

PAGE 1-B



L7 ANSWER 16 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN



● Na

L7 ANSWER 17 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

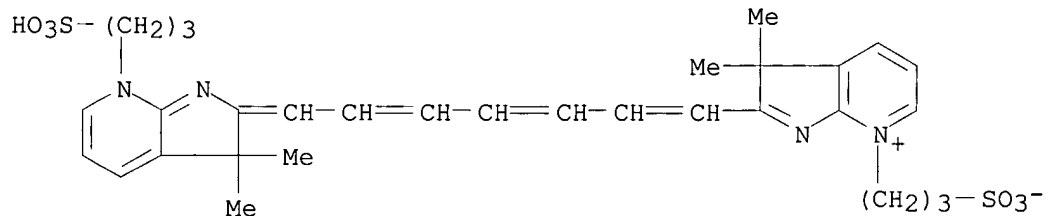
IT 126734-19-8 143986-78-1 144011-24-5

RL: USES (Uses)

(backing layer dye, photog. film using)

RN 126734-19-8 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[3,7-dihydro-3,3-dimethylsulfo-7-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-7-(3-sulfopropyl)-, inner salt, trisodium salt (9CI) (CA INDEX NAME)



2 [ D1- SO<sub>3</sub>H ]

● 3 Na

RN 143986-78-1 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[3,7-dihydro-3,3-dimethyl-7-(2-phosphonoethyl)sulfo-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-7-(2-phosphonoethyl)sulfo-, inner salt, monosodium salt (9CI) (CA INDEX NAME)

L7 ANSWER 18 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

IT 126829-28-5 139536-69-9 142492-34-0

142632-40-4

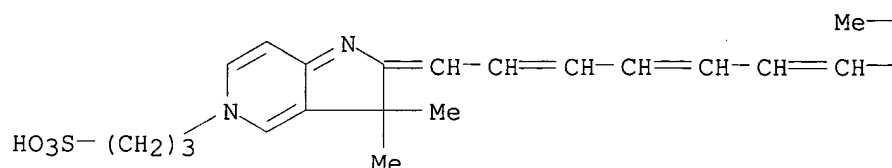
RL: USES (Uses)

(photog. dye)

RN 126829-28-5 CAPLUS

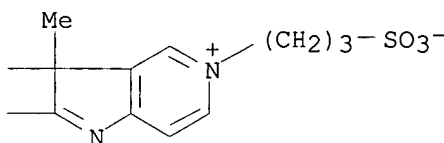
CN 3H-Pyrrolo[3,2-c]pyridinium, 2-[7-[3,5-dihydro-3,3-dimethyl-5-(3-sulfopropyl)-2H-pyrrolo[3,2-c]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-5-(3-sulfopropyl)-, inner salt, sodium salt (9CI) (CA INDEX NAME)

PAGE 1-A



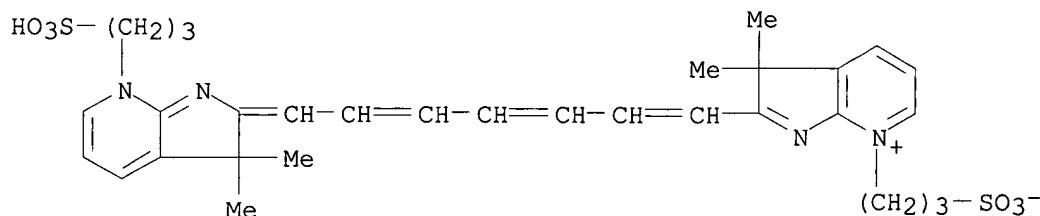
● Na

PAGE 1-B



RN 139536-69-9 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[3,7-dihydro-3,3-dimethyl-7-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-7-(3-sulfopropyl)-, inner salt, sodium salt (9CI) (CA INDEX NAME)

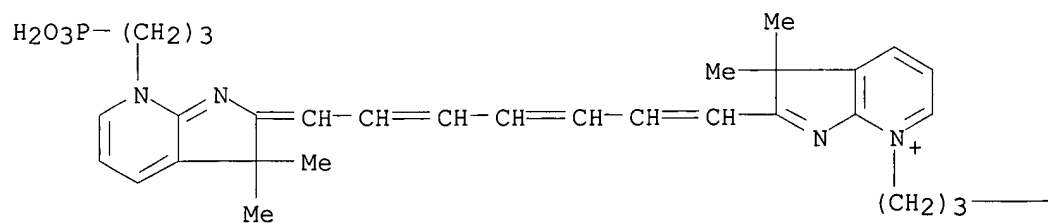


● Na

RN 142492-34-0 CAPLUS

CN 3H-Pyrrolo[3,2-b]pyridinium, 2-[7-[3,7-dihydro-3,3-dimethyl-7-(3-phosphonopropyl)-2H-pyrrolo[3,2-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-7-(3-phosphonopropyl)-, inner salt (9CI) (CA INDEX NAME)

PAGE 1-A

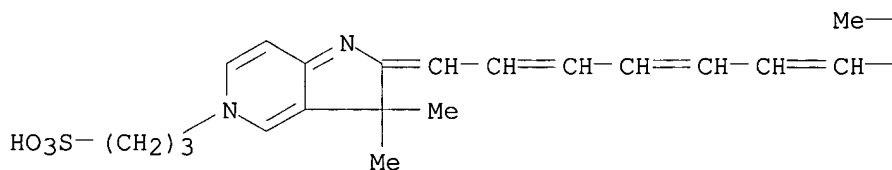


PAGE 1-B

— PO<sub>3</sub>H<sup>-</sup>

RN 142632-40-4 CAPLUS  
 CN 3H-Pyrrolo[3,2-c]pyridinium, 2-[7-[3,5-dihydro-3,3-dimethylsulfo-5-(3-sulfopropyl)-2H-pyrrolo[3,2-c]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-5-(3-sulfopropyl)-, inner salt, disodium salt (9CI) (CA INDEX NAME)

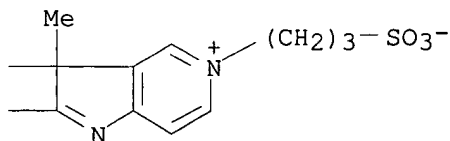
PAGE 1-A



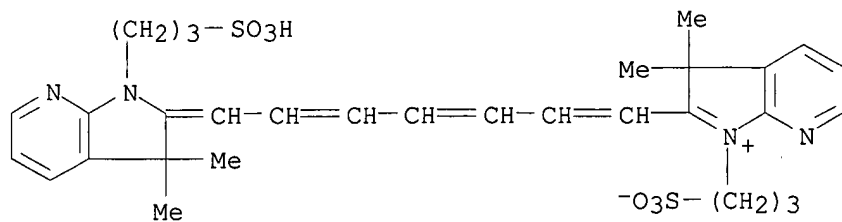
2 [ D1-SO<sub>3</sub>H ]

● 2 Na

PAGE 1-B



CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[1,3-dihydro-3,3-dimethylsulfo-1-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-1-(3-sulfopropyl)-, inner salt, tripotassium salt (9CI) (CA INDEX NAME)



2 [ D1-SO<sub>3</sub>H ]

● 3 K

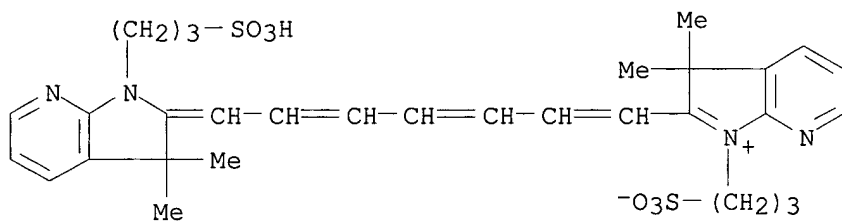
RN 131033-79-9 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[1,3-dihydro-3,3-dimethyl-1-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-1-(3-sulfopropyl)-, inner salt, compd. with pyridine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 131033-78-8

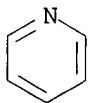
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CM 2

CRN 110-86-1

CMF C5 H5 N



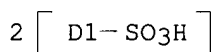
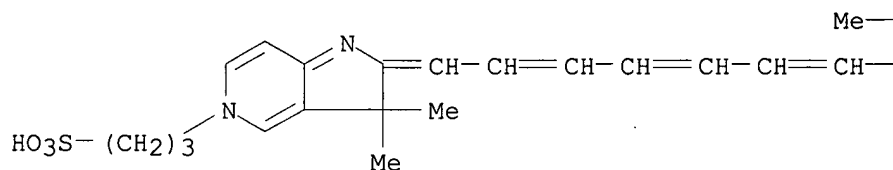
L7 ANSWER 20 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN  
IT 126691-62-1 126734-19-8 126829-28-5  
139536-69-9

RL: TEM (Technical or engineered material use); USES (Uses)  
(photog. material contg.)

RN 126691-62-1 CAPLUS

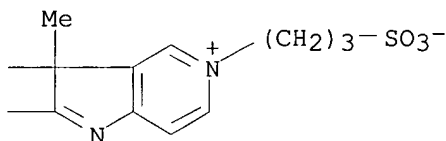
CN 3H-Pyrrolo[3,2-c]pyridinium, 2-[7-[3,5-dihydro-3,3-dimethylsulfo-5-(3-sulfopropyl)-2H-pyrrolo[3,2-c]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-5-(3-sulfopropyl)-, inner salt, trisodium salt (9CI) (CA INDEX NAME)

PAGE 1-A



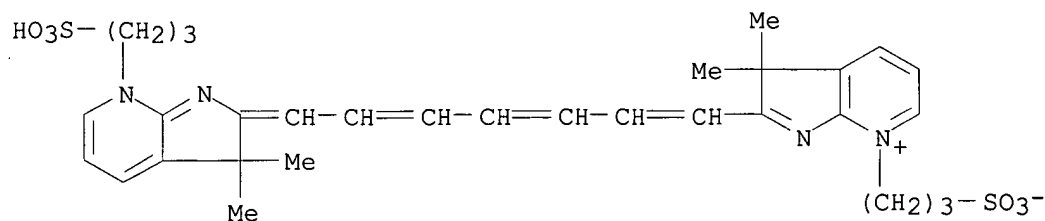
● 3 Na

PAGE 1-B

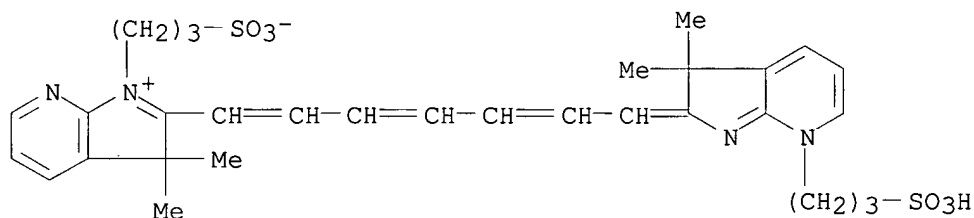


RN 126734-19-8 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[3,7-dihydro-3,3-dimethylsulfo-7-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-7-(3-sulfopropyl)-, inner salt, trisodium salt (9CI) (CA INDEX NAME)



L7 ANSWER 21 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN  
 IT **139401-21-1**  
 RL: USES (Uses)  
 (dye, in photog. material)  
 RN 139401-21-1 CAPLUS  
 CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[3,7-dihydro-3,3-dimethyl-7-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-1-(3-sulfopropyl)-, inner salt, sodium salt (9CI) (CA INDEX NAME)



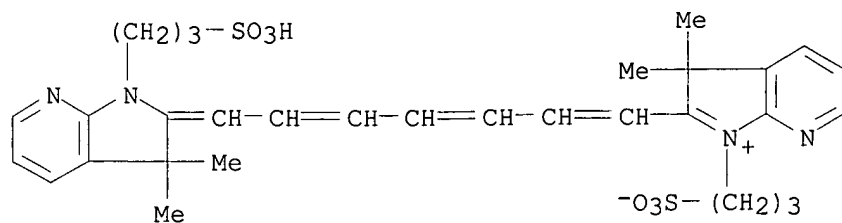
L7 ANSWER 22 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN  
 IT **131033-79-9P 137705-77-2P**  
 RL: PREP (Preparation)  
 (laser optical recording media, manuf. of)  
 RN 131033-79-9 CAPLUS  
 CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[1,3-dihydro-3,3-dimethyl-1-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-1-(3-sulfopropyl)-, inner salt, compd. with pyridine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 131033-78-8

CMF C31 H38 N4 O6 S2

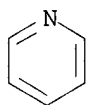




CM 2

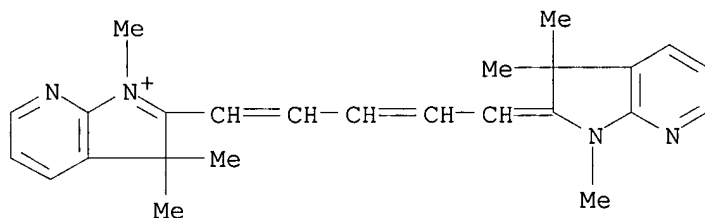
CRN 110-86-1

CMF C5 H5 N



RN 137705-77-2 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[5-(1,3-dihydro-1,3,3-trimethyl-2H-pyrrolo[2,3-b]pyridin-2-ylidene)-1,3-pentadienyl]-1,3,3-trimethyl-, iodide (9CI) (CA INDEX NAME)



● I<sup>-</sup>

L7 ANSWER 23 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

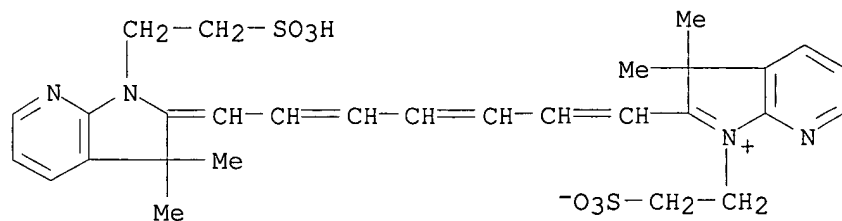
IT **126829-19-4 130293-56-0 138627-64-2**

RL: USES (Uses)

(anti-halation dye, in photog. material)

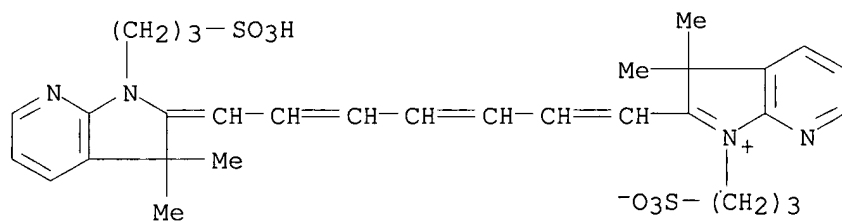
RN 126829-19-4 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[1,3-dihydro-3,3-dimethyl-1-(2-sulfoethyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-1-(2-sulfoethyl)-, inner salt, potassium salt (9CI) (CA INDEX NAME)



● K

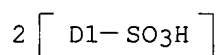
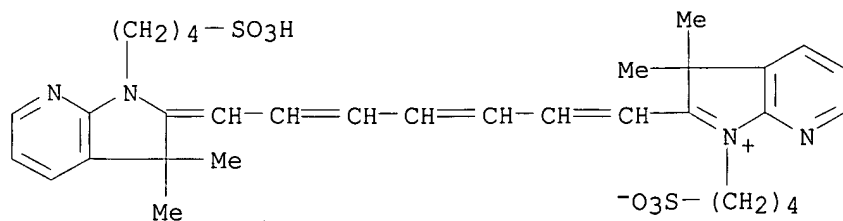
RN 130293-56-0 CAPLUS  
 CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[1,3-dihydro-3,3-dimethylsulfo-1-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-1-(3-sulfopropyl)-, inner salt, tripotassium salt (9CI) (CA INDEX NAME)



2 [ D1-SO<sub>3</sub>H ]

● 3 K

RN 138627-64-2 CAPLUS  
 CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[1,3-dihydro-3,3-dimethylsulfo-1-(4-sulfobutyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-1-(4-sulfobutyl)-, inner salt, trisodium salt (9CI) (CA INDEX NAME)



● 3 Na

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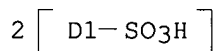
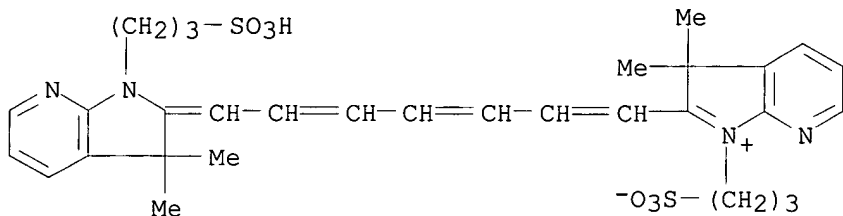
IT **130293-56-0**

RL: USES (Uses)

(photog. material interlayer contg.)

RN 130293-56-0 CAPLUS

CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[1,3-dihydro-3,3-dimethylsulfo-1-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-1-(3-sulfopropyl)-, inner salt, tripotassium salt (9CI) (CA INDEX NAME)



● 3 K

L7 ANSWER 25 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN

IT **126691-62-1 130293-56-0 132404-33-2**

RL: USES (Uses)

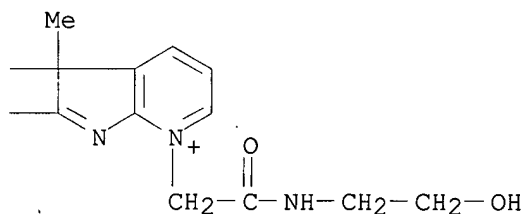
(silver halide films contg., for low stain after ultrarapid processing)

RN 126691-62-1 CAPLUS

CN 3H-Pyrrolo[3,2-c]pyridinium, 2-[7-[3,5-dihydro-3,3-dimethylsulfo-5-(3-sulfopropyl)-2H-pyrrolo[3,2-c]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-5-(3-sulfopropyl)-, inner salt, trisodium salt (9CI) (CA INDEX NAME)

D1-SO<sub>3</sub>H

PAGE 1-B

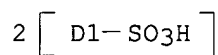
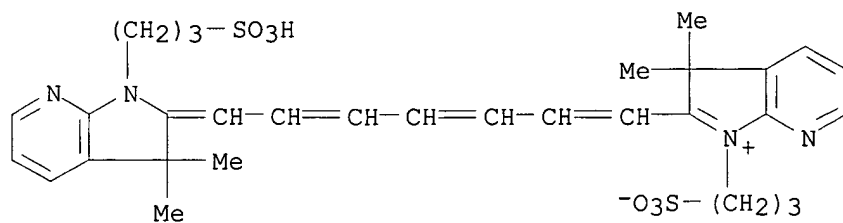


IT 130293-56-0 130604-21-6

(chlorofilm contg., for rapid-processing)

RN 130293-56-0 CAPLUS

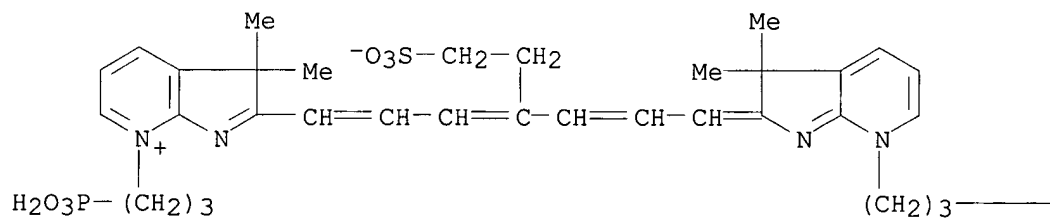
CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[1,3-dihydro-3,3-dimethylsulfo-1-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethylsulfo-1-(3-sulfopropyl)-, inner salt, tripotassium salt (9CI) (CA INDEX NAME)



● 3 K

RN 130604-21-6 CAPLUS  
 CN 3H-Pyrrolo[2,3-b]pyridinium, 2-[7-[3,7-dihydro-3,3-dimethyl-7-(3-phosphonopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-4-(2-sulfoethyl)-1,3,5-heptatrienyl]-3,3-dimethyl-7-(3-phosphonopropyl)-, inner salt (9CI)  
 (CA INDEX NAME)

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PAGE 1-B

— PO<sub>3</sub>H<sub>2</sub>

=> d 28

L7 ANSWER 28 OF 34 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1990:207782 CAPLUS  
 DN 112:207782  
 TI Silver halide photographic material  
 IN Usagawa, Yasushi; Kagawa, Nobuaki; Yoshida, Kazuhiro  
 PA Konica Co., Japan  
 SO Eur. Pat. Appl., 40 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English